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**Subject:** Hurricane Sandy Situation Report #21 - Operations Continue  
**Date:** 11/17/2012 09:50 PM

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
Hurricane Sandy - Polrep/Sitrep



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region II**

**Subject:**

**SITREP  
#21  
Operations  
Continue  
Hurricane  
Sandy**

**Edison, NJ  
Latitude:  
40.4494047  
Longitude: -  
74.4379073**

**To:**

EPA Region  
02 REOC,  
Regional  
Emergency  
Operations  
Center  
Situation  
Unit Region  
2, EPA  
Region 2

**Thru:**

REOC  
Deputy  
Regional  
Incident  
Coordinators,  
Christopher  
Jimenez (NJ)  
Laura  
Casillas (NJ)  
Anne Kelly  
(NY)  
Neil Norrell  
(NY)

**From:**

REOC  
Situation  
Unit Leader,  
Josie Clark  
(Day  
Operations)  
Gary  
Newhart  
(Night  
Operations)

**Date:**

11/17/2012

**Reporting Period:**

0700 hours  
11/17/2012  
thru 1900  
hours  
11/17/2012

## **Executive Summary**

### **EXECUTIVE SUMMARY**

Orphan container assessment and collection continued in Ocean and Monmouth Counties today. A staging site for hazmat was designated in Monmouth County at a NJ DOT yard, allowing collection to commence in this county. A boat based assessment team traveled up the Navesink River and identified 18 separate debris piles that contained orphan containers. EPA will coordinate with USCG on collecting these containers.

Water sampling was completed in the Ironbound Neighborhood of Newark at the request of the Ironbound Community Corporation.

Clean out and air monitoring continued at Passaic Valley and Middlesex County wastewater treatment plants. The remaining non-functioning sludge will be tested in a dewatering centrifuge this evening.

EPA assessment teams conducted visits to homes that may need oil or water pumped from basements. A total of 21 locations were assessed, with 3 in Manhattan and 18 in Queens.

All material was moved from the Cedar Grove Staging Area to the Father Capodanno Staging Area. Cedar Grove Staging Area is no longer being used.

The USACE and their debris disposal contractor, ECC, are still negotiating with the Port of Albany for debris handling. Port of Coeymans has already begun accessing debris from USACE and ECC. EPA established a HHW pad at Port of Coeymans and EPA contractors segregated HHW today.

In Nassau County, crews completed HHW collection in Long Beach, a barrier island. They have moved onto the mainland, and are in the process of opening two new staging areas. HHW collection continued in Suffolk County.

Total containers of hazardous materials collected in NY and NJ to date is 28,237.

## **1. Introduction**

### **1.1 Background**

**Site Number:**

**Contract Number:**

**D.O. Number:**

**Action Memo Date:**

<b>Response Authority:</b>	Stafford Act	<b>Response Type:</b>	Emergency
<b>Response Lead:</b>	FEMA	<b>Incident Category:</b>	Removal Action
<b>NPL Status:</b>	Non NPL	<b>Operable Unit:</b>	
<b>Mobilization Date:</b>	10/29/2012	<b>Start Date:</b>	10/29/2012
<b>Demob Date:</b>		<b>Completion Date:</b>	
<b>CERCLIS ID:</b>		<b>RCRIS ID:</b>	
<b>ERNS No.:</b>		<b>State Notification:</b>	

### 1.1.1 Incident Category

Hurricane Disaster Response

### 1.1.2 Site Description

#### 1.1.2.1 Location

Ten counties were originally declared eligible for Public Assistance in New Jersey: Atlantic, Cape May, Essex, Hudson, Middlesex, Monmouth, Ocean, Somerset, Bergen, and Union. On November 5, 2012 FEMA declared the remaining New Jersey counties eligible for public assistance: Cumberland, Salem, Gloucester, Camden, Burlington, Mercer, Hunterdon, Warren, Morris, Sussex, and Passaic. Nine counties have been declared as eligible for Public Assistance in New York State: Bronx, Kings, Nassau, New York, Queens, Richmond, Rockland, Westchester, and Suffolk.

#### 1.1.2.2 Description of Threat

Releases of oil and chemicals as a direct result of high winds and flooding. Damage to facilities located within the impacted area have the potential to transport containers, waste, and process equipment that may contain hazardous materials. High winds from hurricane Sandy have caused transformer poles to fall and substations to catch fire and cause additional hazards throughout communities. Storm surges along the coast line and inner waterways have moved sand, sediments, and sludge into residential and business properties. Several coastal communities have reported widespread devastation.

### 1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Preliminary Removal Assessments and Site Inspections were not formally conducted at all EPA sites. Project managers took numerous steps at Superfund Sites in efforts to prepare for Hurricane Sandy. Damage assessments continue at EPA Sites as waters recede, power is restored, and managers are able to access their sites and regulated facilities.

## 1.2 Incident Objectives

### Incident Objectives

- 1) The health and safety of our responders is the highest priority.
- 2) Ensure health and safety of the public by conducting environmental assessments, controlling hazards, and operating in accordance with the approved site safety and quality assurance sampling plans.
- 3) Assess needs and support the sustained operation of public drinking water facilities impacted by the storm. This is the agency's current operational priority. Assess needs and support the sustained operation of waste water facilities impacted by the storm.

4) Conduct aggressive air, ground and water recon and investigation activities to identify active and potential pollution targets, as well as confirm extent of hurricane damage to oil and chemical facilities and critical infrastructure.

5) Rapidly control, contain and mitigate all sources of pollution threatening or impacting public health and the environment, to include the navigable waterways. Coordinate actions with the States.

6) Manage a coordinated response effort with local, state, federal and industry partners and ensure adherence to policies, practices and plans of each. Assure that all stakeholders are informed of response activities and enhance proactive media and community outreach programs.

7) Manage a financial system that ensures accurate, efficient and effective accounting of resources continually monitor ESF #10 funds and adjust operations as needed.

8) Pursue and deploy any resources needed to support and sustain agency missions.

### **1.3 Critical Resource Needs**

#### **Critical Resource Needs**

Critical Needs to maintain operational status and projected operational goals are being coordinated through the Resource Unit Leader. EPA is working closely with local, state, and federal partners to coordinate critical needs of facilities that have been impacted. The majority of needs from drinking water and wastewater facilities are the supply of fuel to maintain and operating status. Although a function of Emergency Support Function #3, EPA was been requested to assist in support these needs. Liaison Officers in the State EOCs and the FEMA RRCC continue to coordinate with other ESF partners on addressing these needs.

### **1.4 Strategic Considerations**

#### **Strategic Considerations**

1) Develop work products, deliver necessary briefings, and arrange field oversight to ensure the health and safety of responders.

2) Ensure staffing adjustments meet current operational needs.

3) Provide direct work and/or technical support to collect HHW.

4) Provide technical assistance to local and State governments on debris removal, including options to maximize recycling and composting.

5) Coordinate efforts with States to identify needs and resolve issues.

6) The PVSC and MUCA waste water facility responses are a high priority.

7) Assure timely and accurate data management to enhance the operational function of the ESF #10 response effort with a high emphasis on drinking water and waste water reporting.

8) Accurately document ESF #10 response actions and ensure it is captured in appropriate official repositories.

9) Support the regional and national public affairs needs to provide effective messaging.

## **2. Current Activities**

### **2.1 Operations Section**

#### **DIVISION NEW JERSEY**

**Eight counties were initially declared eligible for Public Assistance in New Jersey. Two additional counties, Cumberland and Hudson, were added on 3 November, 2012. On 5 November, 2012 FEMA declared all remaining New Jersey counties eligible for Public Assistance.**

#### **NEW JERSEY RESPONSE ACTIONS**

**Field operations were focused on providing continued support by the Waste Water Assessment Teams to two large waste water treatment facilities in Middlesex and Essex Counties; Hazmat Assessments in Ocean and Monmouth Counties; Mitigation Support in Ocean County; and water sampling in Essex County.**

##### **Hazmat Assessment Team (NJ)**

##### **Ocean County**

**One Assessment Team reconned high-impact waterfront residential areas and marina(s) located on the mainland in southern Ocean County. The team focused on the following areas:**

##### **Mystic Islands, Little Egg Harbor Township – accessed via Route 601/Radio Road**

**The team reconned the residential neighborhood and marina located on Great Bay. Based on discussions with area residents the majority of these homes utilize natural gas. No home heating oil or propane tanks were identified. Large piles of residential debris are staged along the streets. The township is working on removing the debris. The team met briefly with the owner of the Great Bay Marina. They are in the process of recovering sunken vessels. At this time, they do not need EPA assistance.**

**The team identified poly drums which had been staged next to a debris pile on the road right-of-way. The drums were intact, upright, capped, and marked to indicate that they contained gasoline. The drums were identified with an EPA number for potential recovery pending NJDEP approval.**

**The team stopped in at Little Egg Harbor Township Department of Public Works however they are closed for the weekend. An EPA representative will contact Supervisor Patrick Donnolly (609-296-3600) on Monday to see whether they need our assistance and to confirm whether the township is picking up hazardous material that has been identified.**

### Eagleswood on Little Egg Harbor - accessed via Route 602/Dock Road

Large piles of residential debris are staged along the street. Based on discussions with an area resident the majority of homes utilize natural gas. The team located one approximately 35-gallon propane tank on the side of the road. They met with the resident of this location who indicated that the tank had been deposited on his property as a result of the storm. He indicated that he was hoping someone would remove the tank. The tank was identified with an EPA number for potential recovery pending NJDEP approval. An EPA representative will contact the township on Monday to see whether they need our assistance and to confirm whether the township is picking up hazardous material that has been identified.

A second team performed field assessments in Toms River, NJ where they identified a container that had released product into the yard of a residence and still contained some product. They also visited the Brick Recycling Collection Center in Brick, NJ. The OSC spoke to both an operator and the owner of the Brick facility to determine if they needed EPA support.

### Monmouth County

A third Assessment Team traveled with the Monmouth County Health Department Hazardous Materials Unit boat on the EPA Region II boat assessing the debris line along the Navesink and Shrewsbury Rivers. The intent was to assess the locations which the team had been unable to assess by land. The team identified numerous hazardous material items (drums and cylinders) within the debris now located at the high tidal surge of Sandy. Locations were noted that contain suspect hazardous materials items for recovery/further assessment (shallow waters prevented the team from getting close enough to evaluate all materials identified).

### Hazmat Mitigation Team (NJ)

Hazmat Mitigation Team traveled to Towns River but located no waste. They then went to Little Egg Harbor, NJ and Tuckerton, NJ with ERRS to retrieve 7 drums for removal.

### Orphan Container Staging Area (NJ)

Lakewood Staging Area was established yesterday. The crew there today focused on improved signage and safety.

### Water Sampling Team (NJ)

The team met with Cynthia Mellon with the Ironbound Community Corporation. They were scheduled to sample three residences with water in their basements and The Passaic River. Two residents had already cleaned their basements so a direct sample could not be collected. The first resident provided the team with water in a vase covered with foil. Sampling team is to check with the laboratory to verify if a sample can still be analyzed. The second resident provided the team with a water bottle with approximately 200mL of water. Direct samples were collected at the third residence. No samples were collected from The Passaic River because a visibly safe access point could not be found.

### Wastewater Facilities (NJ)

#### Passaic Valley Sewerage Commission (PVSC)

PVSC continues site cleanup and repair with the goal of restoring dewatering and secondary treatment capabilities to pre-storm conditions.

ERRS continues night-time power-washing operations in coordination with PVSC to augment PVSC's cleanout of the impacted tunnels and basements. The start-up of the mobile dewatering centrifuges has been delayed until 1200 on 11/18/2012. The mobile dewatering centrifuges are expected to operate for a period of 2-3 weeks during which time PVSC expect to complete the repair and reactivation of their in-house centrifuges and Zimpro dewatering systems.

ERT and SERAS continue to provide support for the perimeter and off-site air sampling stations installed in preparation for the possibility of fugitive hydrogen sulfide emissions during centrifugal dewatering operations. This air monitoring program is being implemented to ensure that the surrounding communities are not being adversely impacted. All air monitoring results will be forwarded to NJDEP for public dissemination.

On November 17, 2012, USEPA ERT, Henry Gerard returned to the Passaic Valley Sewerage Commission (PVSC) for the continued management of the monitoring activity of the sludge dewatering. Upon arrival, one monitor of the ten was offline and was restored back to operational status. Early in the morning, Henry Gerard met with OSC Don Graham and Branch Chief Dore LaPosta to be briefed on the commencement of the de-watering activity. The initial start time of 1200 was delayed throughout the day. At 1530 a notification was received that the centrifuge operation will not start until November 18, 2012 at approximately 1200. As of 1555 all monitors were operational.

EPA's ERRS contractor will continue power-washing operations to augment PVSC's restoration efforts. EPA will continue multi-agency coordination (NJDEP, COEs, PVSC, FEMA) to restore PVSC's treatment status to pre-hurricane efficiencies.

#### Middlesex County Utility Authority

RST is continuing air monitoring of ERRS contractor steam cleaning the pump house. Original Sayreville Pump Station is still being steam cleaned with detergents and ERRS are working on the basement level of this section today. OSHA is monitoring ERRS with portable CO and H<sub>2</sub>S Drager pumps and noise meters.

#### **NJ Incident Summary Table**

Below is a summary table for NJ Incident Reports as reported by the National Response Center and calls received in the REOC. This information is current as of 1400 hours on 11/17/2012. The table includes the materials involved.

	<b>New Jersey Incidents</b>		
	Number of Notifications to EPA		
Material Type	Reporting Operational Period	Previous Totals	Grand Totals
Oil	2	173	182
Other	0	7	7
Haz	0	3	3
Operational Period Total	2	183	192

<b>New Jersey Hazardous Waste Summary</b>								
Operational Period: 11/17/2012								
						Small		
		Propane		Containers	Other	Containers	Op-Period	Location Cumulative
Location	Drums	Tanks	Cylinders	(6-54 Gal)	(Large)	(<5 gal)	Totals	Totals
Vineland								



Container Storage Facility	0	0	0	0	0	0	0	0
Lakewood HHW	7	0	0	0	0	0	7	24
Daily Total	7							
Cumulative Total	48							

## DIVISION NEW YORK

Thirteen counties have been declared as eligible for Public Assistance in New York State: Bronx, Kings, Nassau, New York, Orange, Putnam, Queens, Richmond, Rockland, Suffolk, Sullivan, Ulster, and Westchester.

- EPA continued to support USCG efforts at the Staten Island EOC.
- Assessment teams surveyed locations in Manhattan and Queens to determine if dewatering or pumping assistance was needed.
- Recovery teams continued to collect and stage HHW at locations in Staten Island, Queens, Nassau County, and Suffolk County. HHW collection commenced at the Port of Coeymans and an additional staging pad was established in Nassau County.

## NEW YORK RESPONSE ACTIONS

### New York City

#### Assessment Teams (NY)

In Staten Island, eight EPA contractors and one OSC were onsite to assist USCG. EPA continues to coordinate with USCG, NJDEP, NYSDEC, and NYCDEP.

EPA assessment teams conducted visits to homes that may need oil or water pumped from basements. A total of 21 locations were assessed, with 3 in Manhattan and 18 in Queens. The majority of the homes had already had oil removed by either NYSDEC or private contractors. EPA also identified a street in Queens with several orphaned containers that were referred to the NYC Special Operations Team for recovery.

#### NYC Debris Management Plan

EPA, NYC Department of Sanitation, USACE, and other officials continue to meet to discuss the management of debris from recovery efforts associated with Hurricane Sandy. Although EPA has been requested to manage HHW and orphaned containers at staging areas in NYC, USACE is in charge of the overall management. USACE is currently utilizing three locations to collect and stage debris for transportation and disposal: Jacob Riis Park in Queens and Father Capodanno, and Fresh Kills Landfill Plants #1 and #2 in Staten Island. The final disposal location for all debris handled by USACE is the Seneca Meadows Landfill in Waterloo, NY and the Grows North Landfill in Morrisville, PA. Following EPA assessments of the Seneca Meadows Landfill, it was determined that the facility is adequate to handle the material from NYC. The facility is technologically capable to recycle and properly dispose of material. No EPA assistance will be necessary at this facility.

#### *Jacob Riis Park (Queens)*

HHW continued to be collected, segregated, and staged for transportation and disposal at the Jacob Riis HHW collection site. USACE transportation and disposal operations have increased and have resulted in a quickly diminishing debris pile. As a result, EPA will be relocating the staging pad to the opposite end of the debris pile by 11/19/12. An office trailer and cones have been placed to mark the new staging area. Narrow roadways in conjunction with the USACE operations continued to result in

disruptions to HHW segregation.

*Father Capodanno (Staten Island)*

HHW collection and segregation operations continued at the Father Capodanno dump site. EPA crews and equipment had been divided between the Father Capodanno and Cedar Grove sites; however, with the removal of all waste from the Cedar Grove site yesterday, all personnel have returned to focus HHW collection efforts at the Father Capodanno dump site.

*Cedar Grove (Staten Island)*

All waste at the Cedar Grove dump site was removed yesterday and EPA materials have been removed from the site in order to focus HHW collection efforts at the Father Capodanno site.

*Fresh Kills Landfill (Staten Island)*

Staging and segregation of HHW continue in the NYC Department of Sanitation indoor garage building at Fresh Kills Plant #2, utilizing containment cells consisting of poly sheeting and absorbent boom. Compressed gas cylinders were collected in an outdoor staging area. NYC Department of Sanitation electricians returned electric service to the facility by replacing a faulty electrical switch. Plant #2 continued to receive orphaned containers collected by ERRS and NYCDEP personnel from all five NYC boroughs and to stage them for characterization and disposal.

A 50-foot office trailer was delivered to the site for use by EPA, RST, and ERRS personnel, with power supplied by generator.

*Floyd Bennett Field*

The Floyd Bennett Field area contains four staged piles of vegetative waste: one large pile handled by USACE, one large pile handled by NYC Department of Parks and Recreation, and two smaller piles of comingled vegetative and municipal waste being sent to the Jacob Riis Park facility for disposal.

USACE is preparing to begin operation of air curtain incinerators to dispose of the vegetative waste. A start date has not been established, but if it goes forward, operations will be conducted on a 24-hour timeframe. The NYPD and FDNY have given approval for the proposed burning operation. EPA is attempting to intercept the operation by providing avenues for recycling the material, chipping debris, composting, and additional alternatives.

The NYPD and FDNY have given approval for the proposed burning operation. NYC has not yet given final approval for the proposed burning operation. EPA is attempting to intercept the operation by providing avenues for recycling the material, chipping debris, composting, and additional alternatives.

*Port of Albany and Port of Coeymans*

EPA completed mobilization to the Ports of Albany and Coeymans. HHW collection during waste offloading from barges commenced at the Port of Coeymans. Operations at the Port of Albany have not begun pending final execution of the contract between USACE, ECC, and the Port of Albany.

**Rockaways Beach Sand Reuse at the Mariner's Beach Park**

Due to Hurricane Sandy, a large volume of beach sand washed into the Rockaways community, creating significant sand disposal problems. The City of New York has proposed to reuse some of the sand as capping material for the Mariner's March Park cleanup project. The City intends to use EPA brownfields cleanup grant funds to truck compliant sand to Mariner's Marsh Park from the Rockaways. This would allow the City to build more park area, between 2.5 and 5 acres instead of 0.4 acres as originally planned. The City has submitted a beach sand reuse plan to NYSDEC for review and approval.

Approximately 30 sand samples were collected by EPA on 11/16/12. Sample results are pending.

## Nassau County

EPA recovery teams continued curbside HHW collection in Massapequa, Bay Park, and Bar Harbor. Segregation for Nassau County HHW operations continued at the Lido Beach staging pad and commenced at the new Old Bethpage Landfill and Recycling Center staging pad. The Bethpage facility will not operate on Sundays due to closure of the facility. A third staging pad is planned for the Merrick Solid Waste Transfer Station.

## Suffolk County

EPA recovery teams continued HHW recovery utilizing four HHW staging pads in Babylon, Islip, Riverhead, and Patchogue. In Riverhead, EPA conducted curbside HHW collection for the first time since curbside collection is conducted by hired contractors during the week.

## NY Incident Summary Table

Below is a summary table for NY Incident Reports as reported by the National Response Center and calls received in the REOC. This information is current as of 14:00 hours on 11/17/2012. The table includes the materials involved.

	New York Incidents		
	Number of Notifications to EPA		
Material Type	Reporting Operational Period	Previous Totals	Grand Totals
Oil	1	122	121
Other	0	16	16
Haz	0	0	0
Operational Period Total	1	138	139

New York Hazardous Waste Summary								
Operational Period: 11/17/2012								
						Small		
		Propane		Containers	Other	Containers	Op-Period	Location Cumulative
Location	Drums	Tanks	Cylinders	(6-54 Gal)	(Large)	(<5 gal)	Totals	Totals
Cedar Grove Staging Area	0	0	0	0	0	0	0	0
Fr. Capadano Park, Staten Island	0	0	0	0	0	0	0	1517
Fresh Kills Landfill	0	0	0	0	0	0	0	361

Plant #1								
Fresh Kills Landfill Plant #2	0	0	0	0	0	0	0	1329
Islip Multipurpose Recycling Facility	0	0	0	0	0	14	14	249
Jacob Riis Park, Queens, NY	0	7	6	0	0	425	438	2647
Nickerson Park	2	13	14	0	1	1257	1287	16037
Patchogue WWTP	0	2	1	0	0	31	34	391
Patchogue WWTP (Mastic Beach)	0	6	0	0	0	206	212	304
Riverhead Collection Area	0	0	0	0	0	18	18	63
Port of Coeymans	0	2	13	0	0	10	25	63
Venetian Shores Park	0	2	0	0	0	715	717	3991
<b>Daily Total</b>	<b>2872</b>							
<b>Cumulative Total</b>	<b>27236</b>							

Cumulative Hazardous Waste Summary								
						Operational Period: 11/17/2012		
						Small		
		Propane		Containers	Other	Containers	Op- Period	State
<b>Location</b>	<b>Drums</b>	<b>Tanks</b>	<b>Cylinders</b>	<b>(6-54 Gal)</b>	<b>(Large)</b>	<b>(&lt;5 gal)</b>	<b>Totals</b>	<b>Cumulative</b>
New York	9	41	36	14	1	2771	2872	28189
New Jersey	7	0	0	0	0	0	7	48
Op-Period Totals	16	41	36	14	1	2771	2879	
Cumulative Totals	125	472	377	225	73	26965		
Grand Total	2879							

Grand Cumulative	28237
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#### **Wastewater/Drinking Water Information (NY)**

No wastewater or drinking water facilities in NY were inspected during the operational period.

#### **NIGHT OPERATIONS**

The Situation Report was sent at 22:00.

#### **REGULATED FACILITIES**

A spreadsheet has been developed to track the status of facilities possibly impacted by Hurricane Sandy. This information includes facility contact person information, latitude and longitude, and description of release circumstances and cleanup efforts, and whether any EPA assistance is requested. The marker for EPA assistance is whether a regulated substance has been released into navigable waters and/or the environment.

The following table summarizes phone calls and emails in targeted impacted areas of New Jersey and New York.

Regulatory Program	Number of Facilities Contacted	Number of Facilities Reached	Report of Facility Releases
FRP	67	63	4
RMP	30	28	0
SPCC, Marinas, & Other Oil	265	255	0
Total	362	346	4

The four FRP facilities that reported releases are the Kinder Morgan Carteret Terminal, Phillips 66 Bayway, EH Werner, and the Motiva Sewaren facility. These sites are actively addressed with NJDEP

and USCG. An OSC has visited Phillips 66 Bayway and Motiva Sewaren to monitor cleanup efforts and provide assistance.

In addition to an email distribution by the New York Marine Trades Association and Marine Trades Association of New Jersey to over 425 members, the Region is actively involved in contacting and reaching potentially impacted marinas via telephone and emails. Marinas are being reminded to contact the NRC to report spills, sheens, and lost oil tanks and containers. The Region is evaluating all marinas damage assessment responses in order to determine appropriate follow-up.

Damage assessment results have been received, via email, by most registered RMP and FRP facilities in New Jersey and New York. The Region is evaluating all damage assessment responses in order to determine appropriate follow-up.

Compliance assistance concerns are being actively addressed for RMP, FRP, SPCC, Marinas, and Other Oil facilities.

#### RCRA Corrective Action Sites

State/County	Facilities	Facility Status Confirmed by EPA or State	Issues Reported by Facility, State or EPA*
New Jersey (1A) – Middlesex, Monmouth, Union, Passaic, Somerset, Hudson, Bergen, and Essex Counties	55	49	9
New Jersey (1B) – storm surge areas in Salem, Burlington, Gloucester, and Camden Counties	17	15	0
New Jersey (2) – facilities in other counties/non-storm surge areas	34	32	0
New York - All NYC, Nassau, Suffolk, Westchester, and Rockland Counties	37	30	3

CASD did not deploy any teams today. A team (2 corrective action project managers per team) will be deployed on November 19 to assess the remaining six facilities.

CASD is on standby to deploy three teams (2 corrective action project managers per team) to assess up to 29 targeted facilities in Passaic, Bergen, Essex, Hudson, Union, Middlesex and Monmouth counties. CASD is awaiting feedback from the DRA regarding NJDEP's concurrence with EPA

performing the assessments.

#### DECA Information for 11/17/12 Situation Report

Please note that DECA will not be submitting information for the 11/17 or 11/18 Situation Reports. They will only have UST contractors in the field over the weekend, and will provide an update to those activities in the 11/19/2012 Situation Report. All other DECA activities will continue on Monday, 11/19/2012.

#### FUEL WAIVERS AND ASSURANCES ISSUED

EPA has issued a total of five (5) fuel waivers and two (2) assurance letters relating to Hurricane Sandy and response activities. Below is a list of these waivers and assurances that have been issued through EPA Headquarters. Specific restrictions, conditions, limitation, and warnings exist for each waiver and assurance in efforts to prevent damage and inefficiencies to equipment, emission control equipment, engine performance, or vehicles. Refer to specific documents detailing these conditions, warnings, and limitations of these waivers and assurance letters.

Date Issued	Document Type	State(s)	Details	Expiration
October 31, 2012	Fuel Waiver	Multi-State (including NY/NJ)	Allows for gasoline to be brought in from out-of region	Extended to December 7, 2012 (original date of November 20, 2012)
October 31, 2012	No Action Assurance Letter	NJ	Allows use of home heating oil in diesel generators at critical infrastructure locations, such as water/wastewater treatment plants, nursing centers, etc.	November 13, 2012
October 31, 2012	Fuel Waiver	NJ	User of high sulfur heating oil in mobile non-roads generators or pumps for disaster recovery and emergency purposes.	Extended to December 7, 2012 (original date of November 13, 2012)
November 1, 2012	Fuel Waiver	NJ	Use of high sulfur heating oil in diesel power highway and non-road vehicles and equipment involved in disaster recovery efforts.	Extended to December 7, 2012 (original date of November 20, 2012)
November 2, 2012	No Action Assurance Letter	NY and NJ	EPA will exercise enforcement discretion on violations of certain vapor recovery requirements for fuel loading/unloading to bulk gasoline terminals, pipeline breakout stations, and marine tank vessel loading operations.	Extended to December 7, 2012 (original date of November 17, 2012)

November 2, 2012	Fuel Waiver	NY (metro area only) and PA	Allows the use of home heating oil in diesel-powered highway and non-road vehicles and non-road equipment involved in disaster recovery efforts.	Extended to December 7, 2012 (original date of November 20, 2012)
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## 2.2 Planning Section

### PLANNING

The Planning Section continues to organize operational status reports, plan for the next operational period, and assist with needs in support of operations. The utilization of FlexViewer continues to grow as more regulatory programs commence and continue assessments. EPA personnel working in various regional offices are able to view data, generate maps, and become aware of the Common Operating Picture. ASPECT imagery has been uploaded and is being used to determine additional areas of assessment for drinking water facilities, wastewater facilities, HHW reconnaissance points, orphaned container recovery efforts, location of EOCs, potential staging areas, etc. This imagery will also be used when assessments to determine changes of the NJ and NY coast lines commence.

The Environmental Unit reports that:

(1) Ambient Water Sampling:

- Data from samples collected in Nassau County Bay Park on 11/15/12 provided to the PIO for HQ approval prior to posting to [epa.gov/sandy](http://epa.gov/sandy).
- Data from samples collected at the Westchester Yonkers Joint WWTP on 11/16/12 provided to the PIO later today 11/17/12 for HQ approval prior to posting to [epa.gov/sandy](http://epa.gov/sandy)

(2) All 10 monitoring units at PVSC were operational as of 1500 hrs 11/17/12. No exceedances reported from the preceding 24 hour period of real time air monitoring for hydrogen sulfide in background. The operation is proposed to begin 1800 hrs today 11/17/12, thus a summary report will be provided to the Environmental Unit at 1500 hrs tomorrow 11/18/12.

(3) Planning is well underway to provide curtain burning air monitoring support activities at Floyd Bennett Field. The QAPP is under review by DESA staff. ERT will subsequently revise the document and approval signatures obtained Monday morning 11/19/12.

(4) Sampling occurred in the Ironbound neighborhood or Newark today, 11/17/12 at (3) residential properties as well as (1) Passaic River location.

Analyses to include: VOCs, SVOCs, metals, TPH GRO/DRO, total coliform, e-coli and dioxins. Lancaster Laboratories will perform the GRO/DRO and dioxin analyses. DESA laboratory will perform VOC/SVOC/metals and bacteria tests.

## 2.3 Logistics Section



## Logistics

Logistics Chief continued researching rooms for incoming EPA personal. A request to locate rooms in South Jersey was initiated today for the first time, and available rooms were found without any problem at the Residence Inn in Egg Harbor New Jersey. Also logistic was tasked with researching ID clothing for EPA Region 2 employees.

## 2.4 Finance Section

### FINANCE

EPA continues to track costs and monitor funding levels against FEMA Mission Assignments. Current Mission Assignments and Estimated Expenditures and Daily Cost Burn as of 11/17/2012 @ 1330 hours;

Region, State	Agreement #, Current Expiration Date	Initial Agreement Date	Agreement Amount	Costs Incurred To Date	Estimated Burn Rate (\$/day)	Purpose
Region 2, New Jersey	4086DR-NJ-EPA-01, Expires 12/10/12	10/31/2012	\$300,000.00	\$311,814.69	\$17,323.04	ESF-10 EOC deployment and assessment assistance in NJ
Region 2, New Jersey	4086DR-NJ-EPA-02, Expires 12/10/12	11/2/2012	\$2,000,000.00	\$274,415.46	\$17,150.97	Drinking & Wastewater Assistance
Region 2, New Jersey	4086DR-NJ-EPA-03, Expires 12/10/12	11/4/2012	\$1,675,000.00	\$85,760.48	\$5,717.37	Technical Assistance for Environmental Assessments
Region 2 New Jersey	4086DR-NJ-EPA-04, Expires 03/02/13	11/3/2012	\$3,500,000.00	\$392,727.71	\$26,181.85	Direct Federal Assistance for oil/hazmat field ops
Region 2 New Jersey	4086DR-NJ-EPA-05, Expires 12/08/12	11/08/2012	\$1,000,000.00	\$218,179.64	\$10,389.51	REOC
Region 2 New York	4085DR-NY-EPA-02, Expires 11/30/12	11/04/2012	\$400,000.00	\$686,827.69	\$38,157.09	ESF-10 EOC deployment and assessment assistance in NY
Region 2 New York	4085DR-NY-EPA-01, Expires 12/01/12	11/2/2012	\$300,000.00	\$17,735.46	\$1,108.47	Drinking & Wastewater Assistance
Region 2 New York	4085DR-NY-EPA-04, Expires 12/04/12	11/7/2012	\$500,000.00	\$265,318.41	\$20,409.11	Technical Assistance for Environmental Assessments
Region 2 New	4085DR-NY-EPA-03, Expires	11/7/2012	\$7,600,000.00	\$1,219,270.11	\$81,284.67	Direct Federal Assistance for

York	12/01/12					oil/hazmat field ops
Region 2 New York	4085DR-NY-EPA-05, Expires 12/05/12	11/09/12	\$75,000.00	\$9,881.50	\$470.55	Dewatering Ops
TOTALS			\$8,880,000.00	\$3,487,705.23	\$166,081.20	

## 2.5 Other Command Staff

### 2.5.1 Safety Officer

Safety visited the four Suffolk County, NY HHW pads today. An ASO and OSHA SO provided safety assistance to the MCUA power washing operation. Safety coordinated with OSHA for IH monitoring at PVSC for tomorrow evening. A safety visit was made to the Lakewood HW Collection pad in NJ to assist with the pad set-up.

### 2.5.2 Liaison Officer

Carl Pellegrino is representing EPA at the JFO.

EPA continued to participate in Unified Command with USCG on Staten Island. EPA contractors continued to support shoreline assessments with USCG personnel for HHW, orphan containers and oily material.

### 2.5.3 Information Officer

The PIO is David Kluesner and can be reached at 347-330-9439. Press inquiries received today included the Philadelphia Inquirer (medical monitoring of general population after Sandy). Intergovernmental and Community outreach today included notifications to the affected Congressional delegation about Bay Park Water Sampling in Nassau County.

Under direct public outreach, the PIO met up with a representative of the Ironbound Community Corporation and accompanied the DESA sampling team in Newark's Ironbound district.

The daily Web Narrative and the Bay Park water sampling data were posted to the Web today.

EPA presence was requested by a citizen at the Highland Disaster Center located at 1976 Highland Boulevard (Brooklyn) to distribute flyers. PIO will arrange to provide them materials starting Monday, November 19.

## 3. Participating Entities

### 3.1 Unified Command

Unified Command has been established in Staten Island with the United States Coast Guard Sector New York. Mission Assignments have been issued to USCG for assessment and mitigation along the shores of Staten Island. USCG is focused on conducting shoreline assessments and has requested EPA contractor support to assist in these investigations. EPA has a seat with the UC and is coordinating activities associated with very specific Mission Assignments. EPA is also coordinating efforts to have interior areas that may have also been impacted as a result of storm surge and high winds.

### 3.2 Cooperating Agencies

#### 4. Personnel On Site

Region/State	Current EPA Personnel In Field (All Venues other than EPA Offices)	Current EPA Contractor Personnel In Field	EPA Personnel in REOC	Contractor Personnel in REOC	Total
Region 2			36	33	69
New York	15	136			151
New Jersey	16	30			46
Total	31	166	36	33	266

[illegible]

<b>Region 6</b>	0	0	0	1	0	0	0	0	0	1
<b>Region 7</b>	1	0	0	0	0	0	0	0	0	1
<b>Region 8</b>	0	0	0	0	0	0	0	0	0	0
<b>Region 9</b>	0	0	0	0	0	0	0	0	0	0
<b>Region 10</b>	0	0	0	0	0	0	0	0	2	2
<b>HQ</b>	0	0	0	0	0	0	0	0	0	0
<b>Special Teams</b>	0	0	0	0	1	0	0	7	1	9
<b>Total by job title</b>	9	0	0	1	2	0	1	14	4	31

## 5. Definition of Terms

### Definition of Terms

Assisting and Cooperating Agencies - Agencies who are assisting the EPA response, but are not a part of Unified Command.

E Goods - Electronic machines which contain hazardous components. Emergency Response - any activity undertaken by the Operations Section which mitigated an immediate threat to human health or the environment.

FRP - Facility Response Plan. Under the Clean Water Act, as amended by the Oil Pollution Act, a plan for responding, to the maximum extent practicable, to a worst case discharge, and to a substantial threat of such a discharge, of oil. Required by certain facilities that store and use large quantities of oil.

Household Hazardous Waste - Small quantity waste from households that contain corrosive, toxic, ignitable, or reactive ingredients is hazardous. This includes pesticides, paint, solvents, etc.

Hazardous Debris - Debris which contains compounds that make it inappropriate for municipal landfill disposal

Monitoring - Using equipment which will give limited real-time information about constituents in environmental media. This method is used most often for air and water testing.

RCRA - Resource Conservation and Recovery Act.

RMP- Risk Management Plan. Under the Clean Air Act, certain facilities with large quantities of toxic potentially air born chemicals whose releases may impact human populations are required to submit to EPA a plan for hazard assessment, prevention, and emergency response.

Sampling -The process of taking environmental media for analysis at a laboratory of its constituents. These tests may require multiple days to complete, but test for a wider array of constituents than monitors.

Small Container - any container with a potential capacity of less than 5 gallons.

TRI - Toxic Release Inventory - A publicly available EPA database that contains information on toxic chemical releases and other waste management activities reported annually by certain covered industry groups as well as federal facilities. This inventory was established under the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) and expanded by the Pollution Prevention Act of 1990.

Unified Command - A structure based on the Incident Command System (ICS) that brings together the Incident Commanders of all major organizations involved in the incident in order to coordinate an effective response, while at the same time allowing each to carry out their own jurisdictional, legal, and functional responsibilities.

White Goods - Large home electronics such as refrigerators, washing machines, and dryers.

WW - Wastewater Treatment Facilities

## 6. Additional sources of information

<b>Drinking Water – New Jersey – Current as of 11/17</b>	<b>Population Served</b>
Total # Community Water Systems = 612	9,000,000
EPA Assessed (cumulative) = 53	963,435

<b>Drinking Water – New York – Current as of 11/17</b>	<b>Population Served</b>
Total # Community Water Systems = 191	12,000,000
EPA Assessed (cumulative) = 40	1,535,727

<b>Wastewater Treatment Plants –New Jersey–Current as of 11/17</b>	<b>Population Served</b>
Total # Wastewater Treatment Plants = 179	n/a
EPA Assessed (cumulative) = 23	n/a

<b>Wastewater Treatment Plants –New York State–Current as of 11/17</b>	<b>Population Served</b>
Total # Wastewater Treatment Plants = 83	n/a
EPA Assessed (cumulative) = 12	n/a

#### ADDITIONAL INFORMATION:

WEBSITE: <http://www.epaosc.org/HurricaneSandy>

#### INSTRUCTIONS FOR EPAOSC.NET:

If you do not have a password or have never used the EPAOSC.net website before, you will need to click the login button on the top right of the web page. Once on the login page, you will need to click on REGISTER HERE, provide the information requested and submit. This submits your request to ERT, and they will generate a user ID and password for you to enter the private side of the Website. In less than 10 minutes after registering, you should receive an e-mail from ERT SUPPORT providing the information (login and password). At this point you can then enter the website: [www.epaosc.net](http://www.epaosc.net), click on log in, then enter your information. Once logged in, click on websites, then click on Region 2. The Hurricane Irene website should be one of the first ten websites that pop up, if not, you can scroll down to find the site. Click on Hurricane Sandy. Once on the site, you can navigate to the documents that will be stored there.

#### **FlexViewer :**

WEBSITE: [http://www.epa.gov/geospatial/ermaps/Region2\\_HurricaneSandy/](http://www.epa.gov/geospatial/ermaps/Region2_HurricaneSandy/)

The EPA Region 2 Common Operating Picture is now available on FlexViewer. This interactive display is constant being updated with various information pertaining to assessments, resource locations, EOC locations, status of remedial/removal sites, water treatment facility locations, and many other. Individuals located within the EPA network may view the display and create their own maps, however the COP located in the Situation Unit adjusts to the needs of the operations.

If you find that you are having trouble viewing the website, please contact the EPA duty officer at (732) 906-6850

EPA Edison REOC

732-906-6850

Afterhours Notifications, National Response Center (NRC)	800-424-8802
Deputy Regional Incident Commander (DRIC) for NY, Neil Norrell	908-420-4512
Deputy Regional Incident Commander (DRIC) for NY, Anne Kelly	212-637-4397
Deputy Regional Incident Commander (DRIC) for NJ, Christopher Jimenez	908-420-4484
Deputy Regional Incident Commander (DRIC) for NJ, Laura Casillas	215-779-4898

FEMA IMAT (Albany), Michael Solecki, OSC

908-420-4501

NJ EOC (Trenton), Carl Pellegrino, OSC	908-420-4491
FEMA RRCC(Colts Neck), Steve Touw, OSC	908-420-4458
NYC OEM (Brooklyn), Margaret Chong, OSC	908-420-4477
UC USCG (Staten Island), Ellen Banner	908-420-4462

#### **REPORTING SCHEDULE**

Situation Reports are due out at 2300 hrs at the conclusion of that operational day.

Situation Reports for response activities in New Jersey and New York associated with Hurricane Sandy can be found at [www.epaossc.org/HurricaneSandy](http://www.epaossc.org/HurricaneSandy).

## **7. Situational Reference Materials**

Situation Reports for response activities in New Jersey and New York associated with Hurricane Sandy can be found at [www.epaossc.org/HurricaneSandy](http://www.epaossc.org/HurricaneSandy).

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Situation Unit  
Hurricane Sandy Operations  
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